

New drawing sheet

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Register P- and S- waves at two receiver locations

Pick arrival times of P- and S- waves of an microseismic events at a first receiver location

Calculate a time of origin for the event

Use calculated time of origin for the event to estimate arrival times of the P- or S-wave at the second receiver

Repeat the above steps for a group of receivers and use statistical methods to improve the above calculation and estimate

FIG. 1